

UNITED STATES
DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE

(Insert Appropriate Regional Office)

REQUIREMENTS FOR GEOLOGICAL AND GEOPHYSICAL EXPLORATION
OR SCIENTIFIC RESEARCH IN THE OUTER CONTINENTAL SHELF

APPLICATION FOR PERMIT TO CONDUCT GEOLOGICAL OR GEOPHYSICAL
EXPLORATION FOR MINERAL RESOURCES OR SCIENTIFIC RESEARCH IN
THE OUTER CONTINENTAL SHELF

NONEXCLUSIVE USE AGREEMENT FOR SCIENTIFIC RESEARCH

SUBMIT: Original, two copies, and one public information copy (all with original signatures).

The Paperwork Reduction Act of 1995 (44 U.S.C. Chapter 35) requires us to inform you that:
This information is being collected to evaluate permit applications to conduct prelease exploration offshore and to monitor activities of scientific exploration conducted under notices to ensure there is no environmental degradation, personnel harm, damage to historical or cultural sites, or interference with other uses. Response to this request is required to obtain a benefit.

Public reporting burden for this form is estimated to average 6 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 2053, Minerals Management Service, 381 Elden Street, Herndon, VA 22070-4817; and Office of Management and Budget, Paperwork Reduction Project (OMB No. 1010-0048), Washington, DC 20503.

Form MMS-327 (September 1995)
(Supersedes Form MMS-327 (July 1993)
which will not be used)

MINERALS MANAGEMENT SERVICE

REQUIREMENTS FOR GEOLOGICAL AND GEOPHYSICAL EXPLORATION OR SCIENTIFIC RESEARCH IN THE OUTER CONTINENTAL SHELF

AUTHORITY

All geological and geophysical exploration or scientific research activities authorized or conducted in the Outer Continental Shelf (OCS) shall be performed in accordance with the OCS Lands Act, 30 CFR 251, and other applicable statutes and regulations, and amendments thereto.

GENERAL REQUIREMENTS OF NOTICES AND PERMITS

Geological and geophysical activities for mineral exploration or scientific research activities authorized under 30 CFR Part 251 shall be conducted so that those activities do not:

- A. Interfere with or endanger operations under any lease issued or maintained pursuant to the OCS Lands Act;
- B. Cause harm or damage to aquatic life;
- C. Cause pollution;
- D. Create hazardous or unsafe conditions;
- E. Unreasonably interfere with or harm other uses of the area; or
- F. Disturb cultural resources.

Any person conducting geological or geophysical activities for mineral exploration or scientific research under 30 CFR Part 251 shall immediately report to the Director, Minerals Management Service (MMS):

- A. Detection of hydrocarbon occurrences;
- B. Encounters of environmental hazards which constitute an imminent threat to human activity; or
- C. Activities which adversely affect the environment, aquatic life, cultural resources, or other uses of the area in which the exploration activity is conducted.

Any person conducting shallow test drilling or deep stratigraphic test drilling activities under a permit for mineral exploration or scientific research under 30 CFR Part 251 shall utilize the best available and safest technologies which the Director, MMS, determines to be economically feasible.

Authorization granted under 30 CFR Part 251 to conduct geological and geophysical exploration for minerals or for scientific research shall not confer a right to any discovered oil, gas, or other minerals, or to a lease under the OCS Lands Act.

GEOLOGICAL AND GEOPHYSICAL ACTIVITIES REQUIRING NOTICES OR PERMITS

GEOLOGICAL AND GEOPHYSICAL EXPLORATION FOR MINERAL RESOURCES

Geological and geophysical exploration for mineral resources may not be conducted in the OCS within an approved permit unless such activities are being conducted pursuant to a lease issued or maintained under the OCS Lands Act. Separate permits must be obtained for geological exploration for mineral resources and for geophysical exploration for mineral resources. If the Director, MMS, disapproves an application, the statement of rejection shall state the reasons for the denial and shall advise the applicant of those changes needed to obtain approval.

GEOLOGICAL AND GEOPHYSICAL SCIENTIFIC RESEARCH

Geological and geophysical scientific research may not be conducted by any person in the OCS without an approved permit or filing of a notice unless such activities are being conducted pursuant to a lease issued or maintained under the OCS Lands Act.

Separate permits must be obtained for geological scientific research and for geophysical scientific research which involves the use of solid or liquid explosives or the drilling of a deep stratigraphic test. If the Director, MMS, disapproves an application, the statement of rejection shall state the reasons for the denial and shall advise the applicant of the changes needed to obtain approval.

A notice must be filed with the Director, MMS, at least 30 days prior to the commencement of scientific research activities which involve shallow test drilling. Within 21 days of the filing of the notice, the Director, MMS, may disapprove the notice by sending a statement of disapproval by certified mail to the person who filed the notice. If the Director, MMS, disapproves the notice, the statement of rejection shall state the reasons for the denial and shall advise the applicant of the changes needed to obtain approval.

FILING LOCATIONS FOR PERMITS TO CONDUCT EXPLORATION FOR MINERAL RESOURCES AND FOR NOTICES OR PERMITS TO CONDUCT SCIENTIFIC RESEARCH

Each notice or application for a permit shall be filed, in triplicate, and one public information copy at the following locations 30 days prior to initiating operations:

A. For the OCS off the State of Alaska

Regional Supervisor for Resource Evaluation
Minerals Management Service
Alaska OCS Region
949 East 36th Avenue
Anchorage, Alaska 99508

B. For the OCS in the Gulf of Mexico and off the Atlantic Coast

Regional Supervisor for Resource Evaluation
Minerals Management Service
Gulf of Mexico OCS Region
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394

C. For the OCS off the States of California, Oregon, or Washington

Regional Supervisor for Resource Evaluation
Minerals Management Service
Pacific OCS Region
770 Paseo Camarillo
Camarillo, California 93010

INFORMATION REQUIRED FOR NOTICES AND PERMITS

Each applicant for a notice or permit shall complete the applicable sections of the attached Application for Permit (Attachment 1) and shall include a page-size plat(s) showing the location of the proposed activity. The plat(s) should show geographic coordinates relative to MMS area and block numbers, an easily identified onshore point of reference, and the distance and direction from the point of reference to the area of activity. Line locations should not be included on these plat(s). Each applicant for a notice shall also complete a Nonexclusive Use Agreement (Attachment 2). All information provided on the Application for Permit and Nonexclusive Use Agreement, including continuation sheets and the page-size plat(s), shall be considered "NONPROPRIETARY INFORMATION" as the executed permit shall be available to the public upon request.

In addition to the information required above, each applicant for a permit shall submit the following information in accordance with 30 CFR 251.5-1(a)(7) as indicated for a geological or geophysical permit as appropriate:

GEOLOGICAL PERMIT

1. Brief description of method of shallow drilling or sampling.
2. Brief description of shallow drilling or sampling equipment to be used.
3. Number of borings or sample locations to be occupied.
4. Navigation system or method to be used to position sample locations.
5. Method of sample analyses, storage, and handling.
6. A description and list of the final processed data which will result from operations under the proposed activity.
7. The estimated date on which samples, logs, and processed data will be ready for inspection.
8. Map(s), plat(s), or chart(s) showing specific block numbers, specific boring, or sample locations, and total number of borings or samples proposed.

GEOPHYSICAL PERMIT

1. A brief description of the energy source (unless explosives are used, in which case the source type is nonproprietary information).
2. The total energy output per impulse.
3. The number of impulses per linear mile.
4. The towing depth of the energy source.
5. The towing depth of the streamer.
6. Navigation system or method to be used to position shotpoint locations.
7. Area of activity and total number of line miles proposed.
8. A description and list of the final processed data which will result from operations under the proposed activity.
9. The estimated date on which processed data will be available for inspection.
10. Attach map(s), plat(s), or chart(s) showing latitude and longitude, scale, specific block numbers, specific track lines with line identifications and the total number of line miles proposed.

Items 1-8 for geological permit or Items 1-10 for a geophysical permit shall be attached to the Application for Permit, as appropriate, for the type of permit being requested and shall be considered as, "PROPRIETARY INFORMATION." Such information shall not be made available to the public without the consent of the potential permittee or for a period mandated by law from the date of issuance of the permit, whichever is less, unless the Director, MMS, determines that earlier release is necessary for the proper development of the area permitted.

TIME RESTRICTION FOR NOTICES AND PERMITS

Approval of a notice or permit for the specified period, including requests for extensions, are limited to a period not to exceed 1 year.

MODIFICATIONS TO APPROVED PERMITS

Any modification to the permitted operations requires prior approval from the Regional Supervisor.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE**

(Insert Appropriate Regional Office)

**APPLICATION FOR PERMIT TO CONDUCT GEOLOGICAL
OR GEOPHYSICAL EXPLORATION FOR MINERAL RESOURCES
OR SCIENTIFIC RESEARCH IN THE OUTER CONTINENTAL SHELF**

(Section 11, Outer Continental Shelf Lands Act of August 7, 1953, as amended on September 18, 1978, by Public Law 95-372, 92 Statute 629, 43 U.S.C. 1340; and 30 CFR Part 251)

(Name of Applicant)

(Number and Street)

(City, State, and Zip Code)

(Name of Service Company or Purchaser
if different from above)

Application is herein made for the following activity: (check one)

_____ Geological exploration for mineral resources

_____ Geological scientific research

_____ Geophysical exploration for mineral resources

_____ Geophysical scientific research

PERMIT NUMBER: _____ DATE: _____

SUBMIT: Original, two copies, and one public information copy

A. GENERAL INFORMATION:

1. The activity shall be conducted by:

_____ for _____
(Service company name) (Purchaser(s) of the data)

_____ (Address) _____ (Address)

_____ (Telephone) _____ (Telephone)

2. The purpose of the activity is: _____ Mineral exploration
_____ Scientific research

3. Describe the environmental effects of the proposed activity including potential adverse effects on marine life and what steps are planned to minimize these adverse effects (use continuation sheets as necessary).

4. The expected commencement date is _____ and the expected completion date is _____

5. The name of the individual in charge of the field operation is _____

_____ May be contacted at _____

Telephone (Local) _____ (Marine) _____

Radio call sign _____

6. The vessel(s) to be used in the operation is (are) as follows:

Name _____ Registry number _____

Registered owner _____

7. The port from which the vessel(s) will operate is _____
8. Briefly describe the navigation system (vessel navigation only) _____

B. COMPLETED FOR GEOLOGICAL EXPLORATION FOR MINERAL RESOURCES OR GEOLOGICAL SCIENTIFIC RESEARCH:

1. The type(s) of operation(s) to be employed is (are): (check one)
- (a) _____ Deep stratigraphic test, or (b) _____ Shallow stratigraphic test with proposed total depth of _____, or (c) _____ Other: _____
2. Exact geographic coordinates of proposed test(s): (attach a page-size plat(s)) _____

C. COMPLETE FOR GEOPHYSICAL EXPLORATION FOR MINERAL RESOURCES OR GEOPHYSICAL SCIENTIFIC RESEARCH:

1. Proposed location of the activity: (attach a page-size plat(s)) _____
2. The type(s) of operations(s) to be employed is (are): _____

(Seismic, gravity, magnetic, etc.)
3. The instrumentation and/or technique(s) to be used in the operation(s) is (are): _____

(Air gun, sparker, etc.)
4. Explosive charges will _____ will not _____ be used. If applicable, indicate the type of explosive and maximum charge size (in pounds) to be used: Type _____
Pounds _____ Equivalent pounds of TNT _____

D. PROPRIETARY INFORMATION ATTACHMENTS*

GEOLOGICAL PERMIT

1. Brief description of method of shallow drilling or sampling.
2. Brief description of shallow drilling or sampling equipment to be used.
3. Number of borings or sample locations to be occupied.
4. Navigation system or method to be used to position sample locations.
5. Method of sample analyses, storage, and handling.
6. A description and list of the final processed data which will result from operations under the proposed activity.
7. The estimated date on which samples, logs, and processed data will be ready for inspection.
8. Map(s) , plat(s), and chart(s) showing specific block numbers, specific boring or sample locations, and total number of borings or samples proposed.

GEOPHYSICAL PERMIT

1. A brief description of the energy source (unless explosives are used, in which case the source type is nonproprietary information).
2. The total energy output per impulse.
3. The number of impulses per linear mile.
4. The towing depth of the energy source.
5. The towing depth of the streamer.
6. Navigation system or method to be used to position shotpoint locations.
7. Area of activity and total number of line miles proposed.
8. A description and list of the final processed data which will result from operations under the proposed activity.
9. The estimated date on which processed data will be available for inspection.
10. Attach map(s), plat(s), or chart(s) showing latitude and longitude, scale, specific block numbers, specific track lines with line identifications, and the total number of line miles proposed.

I hereby certify the foregoing and attached information is true and correct.

SIGNED _____ TITLE _____ DATE _____

Permit No. _____ Assigned by _____ Date _____
of MMS

This application is hereby:

- a. Approved _____
- b. Returned for reasons stated in the attached _____

The approved permit is:

- a. Attached _____
- b. Will be forwarded at a later date _____

SIGNED _____ TITLE: Regional Supervisor DATE _____

*(See instructions on next page)

ITEM D.
PROPRIETARY INFORMATION REQUIRED FOR
APPLICATION FOR GEOPHYSICAL PERMIT

1. A brief description of the energy source and streamer (receiving array): _____

2. The total energy output per impulse: _____
3. The number of impulses per linear mile: _____
4. The towing depth of the energy source: _____
5. The towing depth of the streamer: _____
6. Navigation system or method to be used to position shotpoint locations: _____

7. Area of activity and total number of line miles proposed: _____
8. A description and list of the final processed data which will result from operations under the proposed activity:

9. The estimated date on which processed data will be available for inspection: _____

10. Attach map(s) (preferably at a scale of 1:250,000) showing latitude and longitude, scale, specific block numbers, specific track lines with line identifications, and the total number of line miles proposed.

*** INSTRUCTIONS**

One public information copy of this form shall be submitted in accordance with 30 CFR 251.5 and 251.14. The information listed in Item D is proprietary and shall not be attached to the public information copy. This information shall not be made available to the public without the consent of the potential permittee or for a period mandated by law from the date of issuance of the permit, whichever is less, unless the Director, MMS, determines that earlier release is necessary for the proper development of the area permitted.

(Please list the above requested information on the following pages, as appropriate, for a geophysical or geological permit application. A separate application is required for each geological or geophysical permit.)

ITEM D.
PROPRIETARY INFORMATION REQUIRED FOR
APPLICATION FOR GEOLOGICAL PERMIT

1. Brief description of the method of shallow drilling or sampling: _____

2. Brief description of the shallow drilling or sampling equipment to be used: _____

3. Number of borings or sample locations to be occupied: _____

4. Navigation system or method to be used to position sample locations: _____

5. Method of sample analyses, storage, and handling: _____

6. A description and list of the final analyzed and/or processed data which will result from operations under the proposed activity: _____

7. The estimated date on which samples, logs, and analyzed and/or processed data will be ready for inspection: _____

8. Attach map(s) (preferably at a scale of 1:250,000), plat(s), and chart(s) showing latitude and longitude, scale, specific block numbers, specific boring sample locations, and total number of borings or samples proposed.

*** INSTRUCTIONS**

One public information copy of this form shall be submitted in accordance with 30 CFR 251.5 and 251.14. The information listed in Item D is proprietary and shall not be attached to the public information copy. This information shall not be made available to the public without the consent of the potential permittee or for a period mandated by law from the date of issuance of the permit, whichever is less, unless the Director, MMS, determines that earlier release is necessary for the proper development of the area permitted.

(Please list the above requested information on the following pages, as appropriate, for a geophysical or geological permit application. A separate application is required for each geological or geophysical permit.)

**UNITED STATES
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NONEXCLUSIVE USE AGREEMENT FOR SCIENTIFIC RESEARCH

1. State the time and manner in which data and information resulting from the proposed activity will be made available to the public for inspection and reproduction, such time being the earliest practicable time.

2. _____ (applicant) agrees that the data and information resulting from the proposed activity will not be sold or withheld for exclusive use.

(Signature of Applicant)

(Type or Print Name of Applicant)

(Title)

(Date)

SUBMIT: Original, two copies, and one public information copy.